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SB117
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NEW YORK STATE AGRICULTURAL EXPERIMENT STATION
REGIONAL PLANT INTRODUCTION
GENEVA, NEW YORK

2027
SEED AVAILABLE AND DESCRIPTIVE NOTES,
1973 Season.

9 VEGETABLES

35p. JAN 1974.

PROCUREMENT SECTION
CURRENT SERIAL RECORDS

MAY 1 '74

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NORTHEAST REGIONAL PROJECT, NE-9
14 Agricultural Experiment Stations

Cooperating with

GERMPLASM RESOURCES LABORATORY
AGRICULTURAL RESEARCH SERVICE
U.S. DEPARTMENT OF AGRICULTURE

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January 1974

INTRODUCTION

Plant introductions herein listed are available from the Regional Plant Introduction Station, Geneva, N. Y. All were grown and increased during the past year. Notes were taken, as completely as possible, on horticultural characters and on disease and insect resistance. Ratings indicating resistance or tolerance do not imply that all plants in the row were uniform for this character. Photographs of many introductions may be borrowed from the Regional Station.

It is hoped that these notes may aid breeders in selecting plant materials for research projects.

Those receiving seeds may assist our program by reporting the merits and uses of plant introductions to the Regional Station.

Catalogs issued in 1954 through 1972 are on file with each Regional Representative and at each State University Library. Seed of all introductions previously listed are still available.

A similar catalog of forage legume and grasses is sent in alternate years to all forage crop breeders.

When requesting seed, kindly list by genus and species and in numerical order if possible. Seed of standard cultivars are available from the commercial seed companies listed in the catalog.

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1973 ALLIUM CEPA

1973 Descriptions and Evaluations

Seeds treated with Arasan 75. Seeded in bands in flats, 90 seeds/accession 3/8/73. Set in field 5/16&23/73, 28 sets/accession. Spacing 4' x 3' + 2'. Fertilizer 640 lb. 10-20-20/A. Block no. 4. Notes taken: 8/21/73.

Col. 3	Uniformity:	9=very	5=medium	1=poor
Col. 4	Vigor:	9=most	5=medium	1=poor
Col. 5	Height in centimeters:			
Col. 6	No. Leaves per plant:	1=few (1-5)	2=moderate (6-12)	3=many (13+)
Col. 7	No. Broken Leaves:	1=few (1-5)	2=moderate (6-10)	3=many (11+)
Col. 8	Amount of Bloom:	9=heavy	5=medium	1=least
Col. 9	Maturity:	9=very heavy	5=medium	1=very late
Col. 10	Neck Length in centimeters:			
Col. 11	Neck Diameter in centimeters:			
Col. 12	Bulb Depth in centimeters:			
Col. 13	Bulb Diameter in centimeters:			
Col. 14	Bulb Shape:	1=globe	2=flat	3=oval
Col. 15	Bulb Color:	1=red 4=yellow	2=white	3=brown
Col. 16	No. Loose Scales:	9=many	5=medium	1=few
Col. 17	Root Size:	1=fine	2=medium	3=coarse

P.I. No.	Orig.	Unif.	Vig.	Plt.	Ht.	Plt. Lvs	Lvs.Brkn Amt.	Neck		Diam.	Depth	Bulb		Shp.	Col.	Scale	Loose Root
								Lgth.	Diam.			Diam.	Diam.				
ALLIUM CEPA																	
183660	TURK	7	5	33	2	1	3	5	06.0	0.9	04.4	20.9	3	1	5	1	
220501	AFGH	5	7	46	3	2	7	6	07.0	1.4	04.5	70.9	2	1	6	2	
	SOME WHITE BULBS.																
233187	USSR	6	7	46	3	3	4	7	07.0	1.4	05.5	80.8	3	1	5	2	
	STAKED FOR FIELD DAY.																
239633	IRAN	6	7	50	3	1	2	4	06.5	1.6	04.5	70.7	2	2	4	2	
247067	IT	6	6	61	3	2	5	8	07.0	1.8	05.5	60.5	1	1	4	2	
	MOST BENT OVER.																
250660	USSR	8	8	66	3	2	5	3	06.5	1.7	00.0	00.0	0	0	0	0	
	STAKED FOR FIELD DAY. MOSTLY UPRIGHT. POTTED IN GH-IMMATURE BULBS.																
251509	IRAN	6	6	60	2	3	3	8	06.0	1.9	05.2	06.4	1	1	6	2	
258956	CHIL	7	5	50	3	3	3	7	06.7	1.3	07.2	08.0	1	3	5	2	
	'CALDERANA' STAKED FOR FIELD DAY.																
261765	FR	5	7	68	3	2	3	5	06.3	3.0	04.5	09.4	2	3	4	3	
261768	FR	5	6	66	3	2	5	5	04.5	2.2	04.7	08.0	2	1	6	2	
264319	SP	3	2	51	2	3	4	6	07.6	1.0	04.1	06.2	2	4	5	2	
264321	SP	6	6	52	3	3	3	6	06.1	2.2	05.6	08.4	2	2	6	2	
264324	SP	6	6	50	2	3	5	5	08.5	1.5	04.8	09.3	2	1	5	3	
264329	SP	6	5	50	2	3	5	6	07.9	1.4	06.7	06.7	1	1	6	3	
	STAKED FOR FIELD DAY.																
269419	WPAK	8	7	63	3	1	7	4	06.8	2.7	05.6	07.0	3	3	5	2	
	2 LEAF CLUSTERS FOR SOME BULBS.																
269422	WPAK	7	6	49	2	3	5	6	08.9	1.6	06.2	06.9	1	1	6	2	
271311	INDI	3	3	30	1	2	5	4	07.5	1.4	08.0	06.5	3	1	5	2	
	'NASIK' 2 OFF TYPES (TALL).																
287539	ISRL	4	2	36	1	3	4	5	04.0	1.0	03.2	05.0	1	2	5	1	
288227	EGYP	2	3	36	1	1	7	3	07.1	1.6	05.0	05.6	1	3	5	2	
288228	EGYP	3	3	38	1	1	6	3	05.9	1.6	04.4	05.7	1	3	5	2	
288271	INDI	5	4	33	2	2	5	4	06.0	1.0	03.7	04.9	1	2	6	1	
288272	INDI	3	3	40	1	1	3	4	03.9	1.3	03.6	05.2	1	1	6	2	
288273	INDI	7	6	47	3	2	7	4	03.5	1.6	05.7	04.7	3	1	7	2	
288274	INDI	4	5	37	3	3	9	6	05.7	1.7	04.7	05.8	1	1	6	1	
288275	INDI	5	4	44	3	2	5	4	05.7	1.9	04.9	05.4	1	1	6	2	
288721	INDI	6	7	47	3	1	4	4	03.2	1.6	04.5	05.6	1	1	6	2	
289688	AUSL	5	1	16	1	1	8	1	---	0.4	00.0	00.0	0	0	0	0	
	'EARLY LOCKYER WHITE' 5 EXTREMELY SMALL PLANTS, POTTED IN GH																
	IMMATURE BULBS.																
289689	AUSL	6	5	40	2	3	4	6	04.0	1.3	06.3	07.8	1	4	5	3	
	'ODOURLESS GREEN LEAF' HIGH BULBS NEAR SURFACE. STAKED FOR FIELD DAY.																

P.I. No.	Orig.	Unif.	Vig.	No.			Neck			Depth	Bulb Diam.	Shp.	Col.	Loose Root Scale Sz.		
				Plt.	Lvs.	Brkn Amt.	Lgth.	Diam.								
									Ht.						Plt.	Lvs.
291987	ISRL	4	4	34	1	3	5	5	06.4	0.9	03.8	06.2	2	2	6	1
342941	'AICHI SHIRO'	4	5	35	1	3	4	7	03.9	1.7	04.1	06.0	2	2	5	3
	'BARLETTA'															
342942	IT	7	6	50	2	3	5	7	06.4	1.0	05.8	06.0	1	2	5	3
342943	'KONIGIN'															
342944	IT	7	6	43	1	3	3	7	03.6	1.6	03.9	07.2	2	2	5	2
	'POMPEI'															
343048	IT	7	6	35	2	3	3	8	05.5	1.6	04.1	06.2	2	2	5	3
	'QUEEN'															
343049	SP	7	6	50	3	3	5	7	05.7	1.5	05.9	06.9	1	2	5	3
	'BLANCA TEMPRANDE LA REINA'															
343049	SP	6	6	63	3	3	3	7	07.0	1.4	03.8	07.5	2	2	5	3
	'CEBOLLA BLANCA TEMPRANA'															
344252	IRAN	5	5	46	1	2	5	5	07.0	1.7	04.7	06.7	1	1	5	1
370336	YUGO	5	6	44	2	3	4	6	06.5	1.3	04.6	06.3	1	4	6	1
370337	'SUSICKI'															
	YUGO	6	7	60	3	3	6	6	06.7	1.6	04.1	06.6	2	4	6	2
370338	'LOKALEN'															
	YUGO	7	6	60	2	3	2	7	07.6	1.8	06.9	07.0	1	3	6	3
370339	'BELL POGACAR'															
	YUGO	7	7	53	3	2	6	6	08.0	1.5	04.5	07.3	2	3	6	2
370340	'MELNIK'															
	YUGO	6	6	46	2	1	6	3	06.2	1.5	04.5	08.2	2	3	5	1
370341	'GOLEM'															
	YUGO	8	6	45	2	1	7	4	06.0	1.3	03.8	05.6	2	3	5	1
370342	'ARPADZIK'															
	YUGO	7	7	53	3	1	8	3	05.8	1.4	05.2	05.5	1	3	5	1
370342	'DOMASEN'															
	YUGO	7	7	53	3	1	8	3	05.8	1.4	05.2	05.5	1	3	5	1

STANDARD CULTIVARS INCLUDED FOR COMPARISON

G19678	USA	7 6	63	3	3	3	6	05.9	1.6	07.0	07.2	1 1 7 2
G19680	SCV	SOUTHPORT	RED GLOBE	H-616								
G22287	USA	6 7	56	2	3	8	7	06.5	1.4	04.8	06.5	2 2 7 1
	SCV	WHITE PORTUGAL	OR SILVERSKIN	H-625								
G22767	USA	7 7	60	3	3	5	6	05.0	2.0	07.6	07.3	1 3 6 3
	SCV	DOWNING YELLOW	GLOBE	H-604	LARGE BULBS	NEAR SURFACE.						
G22767	USA	6 6	50	3	3	2	8	06.5	1.5	08.5	07.7	2 3 6 2
	SCV	COPPER SKIN	HARRIS	LOT NO. 602-1955.								

1973 BRASSICA OLERACEA VAR. BOTRYTIS

(cauliflower)

1973 Descriptions and Evaluations

Seeds treated with Arasan 75. Seeded in greenhouse 4/17/73, 96 seeds/accession. Pricked off 5/1/73. Set in field 6/5/73, 16 plants/accession. Spacing 4'x1'+4'. Fertilizer 640 lb. 10-20-20/A. Block No. 2. Notes taken: 7/73.

Col.	3	Uniformity:	9=very	5=medium	1=least
Col.	4	Habit:	9=very erect	5=medium	1=prostrate
Col.	5	Vigor:	9=most	5=moderate	1=poor
Col.	6	Plant Height in centimeters:			
Col.	7	Plant Width in centimeters:			
Col.	8	Leaf Depth in centimeters:			
Col.	9	Leaf Width in centimeters:			
Col.	10	Leaf Color:	1=light	2=medium	3=dark
Col.	11	Amount Bloom:	9=much	5=moderate	1=little
Col.	12	Maturity:	9=earliest	5=medium	1=very late
Col.	13	No. Heads - exact count			
Col.	14	Curd Depth in centimeters:			
Col.	15	Curd Width in centimeters:			
Col.	16	Curd Compactness:	9=very compact	5=medium	1=loose
Col.	17	Curd Color:	1=white	2=cream	3=yellow
Col.	18	No. Bolting - exact count			
Col.	19	Worm Injury:	9=severe	5=moderate	1=slight
Col.	20	Flea Beetle Injury:	9=severe	5=moderate	1=slight

P.I. No.	Orig.	Unif. Hab.	Vig.	Plant			Leaf Dpth.	Wdth.	Col.	Amt. Blm.	Mat. Hds.	No.	Curd			No. Bolt.	Worm Flea	
				Ht.	Wdth.	Dpth.							Wdth.	Cmpt.	Col.			
BRASSICA OLERACEA VAR BOTRYTIS																		
372585	NETH	6	7	40	67	35	18	3	8	7	13		1.0	9	3	1	6	0
	'MARVA'	SMALL	AMOUNT	BOLTING ON 1 PLT.	2	PLTS	HIGHER											
372590	DEN	8	8	50	69	30	13	3	8	7	14		0.9	9	3	0	3	0
	'DANISH GIANT'	NONE	BOLTED AS OF 8/13/73															
372591	DEN	7	9	53	79	46	14	2	7	2	1		0.6	9	2	0	7	0
	'KASTRUP MARKET'	(LATE)	1 SMALL HEAD															
372592	DEN	6	7	43	59	38	13	3	8	7	12		0.9	7	3	7	4	0
	'SPARTO'																	
372856	NETH	7	8	43	54	29	10	1	7	5	5		0.7	6	3	4	4	0
	'AUGUST CROP'	2	PLANTS	GONE, FEW	HEADS													
372857	NETH	8	7	50	59	43	18	3	5	7	14		0.8	7	3	10	3	0
	'MID-SUMMER 2'	SOME	LEAF	CURLING.														
372858	NETH	4	5	40	61	34	15	2	7	7	13		0.8	8	3	3	3	0
	'RAKET'	SOME	LEAF	CURLING.														
372860	NETH	7	7	51	65	35	11	1	7	5	6		0.9	7	3	5	4	0
	'JONG'S RECORD'	SOME	LEAF	CURLING														
372862	DEN	8	9	70	92	54	17	2	7	1	1		0.6	9	2	0	6	0
	'DOMINANT'	1	SMALL	HEAD														
372863	DEN	8	8	55	60	45	17	3	7	1	1		0.6	9	2	0	8	0
	'ERFURTER 13'	1	SMALL	HEAD, 1	PLANT	GONE.												
372864	DEN	7	8	62	74	39	16	2	6	6	8		1.0	7	3	3	7	0
	'GRANDESSA'																	
372865	DEN	5	7	48	58	36	13	3	7	6	10		0.8	7	3	1	5	0
	'PERFECTION'	SOME	LEAF	CURLING, 2	LARGER	PLANTS.												
372885	NETH	6	7	50	65	34	20	3	7	8	10		0.9	7	3	7	6	0
	'BALANZA' (814)	1	SMALL	PLANT, SOME	LEAF	CURLING.												
372886	NETH	7	6	58	66	40	20	3	6	9	11		1.0	6	3	6	7	0
	'DR. JENSINA NO 5'	MUCH	BOLTING ON	PARTICULAR	PLANTS.													
372887	NETH	7	4	37	60	34	15	3	7	9	15		0.9	6	3	13	6	0
	'GLOBE 111'	NOT	MUCH	FOLIAGE	BUT	VERY	MATURE	HEADS.										
372888	NETH	8	7	50	55	38	19	2	8	1	2		0.6	9	2	0	6	0
	'GLOBE 4'	2	SMALL	HEADS.														
372889	NETH	6	5	48	67	36	15	2	7	9	15		1.5	5	3	11	5	0
	'MAVERON'	10	VERY	MATURE	HEADS, 5	VERY	IMMATURE.											
372890	NETH	5	7	56	88	43	19	3	6	2	5		0.7	7	3	0	6	0
	'SESAM'	1	LARGE	HEAD, REST	VERY	SMALL.												
372897	NETH	6	6	49	62	30	15	2	6	8	13		1.2	5	2	10	5	0
	'VENUS'	1	MISSING	PLANT, SOME	SMALLER	PLANTS.												
372901	NETH	7	6	40	69	31	16	3	7	9	16		1.0	4	3	12	5	0
	'MIDAL'	1	ERECT	PLANT	WITH	SMALL	HEAD.											

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plant			Leaf	Amt.	No.	Curd			No.				
					Ht.	Wdth.	Dpth.				Wdth.	Cmpt.	Col.		Bolt.	Worm	Flea	
372902	NETH	8	5	6	44	45	32	17	2	6	7	9	1.0	6	2	5	4	0
	VEDESLEZ	6	7	6	56	72	35	18	3	5	2	2	1.0	7	3	0	3	0
373906	DELIRA	2	HEADS-1	MORE MATURE, 1 SMALL PLANT														
373907	NETH	5	6	40	59	29	18	2	7	7	12	12	0.8	5	3	4	6	0
	CANDOR	SOME PLANTS MORE DAMAGED.																
373908	NETH	9	6	43	64	32	16	3	4	2	2	2	0.5	8	2	0	7	0
	LE CERF A	LITTLE WAX GIVES MORE GREENISH APPEARANCE.																
373909	NETH	6	6	55	69	37	16	2	7	4	5	5	0.9	5	3	1	4	0
	FLORA BLANCA	1 HEAD MORE MATURE THAN OTHERS.																
373910	NETH	8	4	5	25	59	30	14	2	6	9	16	0.7	4	3	7	5	0
	RECORD	VERY LATE, NO HEADS.																
373919	NETH	9	6	5	45	67	37	15	2	7	1	0	0.0	0	0	0	6	0
	CLIMAX																	
373920	NETH	7	8	7	49	55	30	17	3	5	1	0	0.0	0	0	0	9	0
	LERO	2 STUNTED PLTS. MUCH WARM DAMAGE.																
373921	NETH	6	8	7	54	72	45	20	1	4	1	0	0.0	0	0	0	6	0
	NIMROD																	
373922	NETH	5	6	5	37	59	31	12	2	7	7	16	1.0	8	3	7	5	0
	ROMAX	SMALLER PLANTS THAN AVERAGE.																
373923	NETH	5	7	6	36	54	29	14	2	6	7	12	1.2	8	3	10	5	0
	ROMEO																	
374224	INDI	5	5	6	50	75	24	10	2	3	9	1	0.2	6	3	16	1	0
	IMPROVED JAPANESE	EARLY BOLTING (7-3). ALL BUT 1 PLT SEEDED.																
	SOME HAVE FEW LEAVES.																	
374225	INDI	5	7	7	59	75	14	7	3	5	9	0	0.0	0	0	16	1	0
	PASAKATKI	VERY EARLY BOLTING (6-27).																
374226	INDI	4	7	7	52	58	16	7	1	7	9	0	0.0	0	0	16	2	0
	SYNTHETIC I	VERY EARLY BOLTING (7-1).																
374227	INDI	6	6	8	63	58	16	7	3	5	9	0	0.0	0	0	16	1	0
	SYNTHETIC	VERY EARLY BOLTING (7-1).																
374228	INDI	3	5	8	44	55	35	16	3	7	8	11	1.2	4	3	17	2	0
	SYNTHETIC 111	10 PLTS IN ADVANCED BOLTING, OTHERS LESS ADVANCED.																

STANDARD CULTIVARS INCLUDED FOR COMPARISON

G22284	USA	8	7	8	56	68	42	16	3	8	3	6	0.7	9	3	0	8	0
	SCV SNOWBALL Y	H342																
G22765	USA	8	9	8	62	70	32	16	2	8	5	6	1.7	4	3	5	5	0
	SCV EARLY PURPLE HEAD	H333																
G22766	USA	6	5	5	47	52	28	12	2	5	7	12	1.0	5	3	5	7	0
	SCV SNOWBALL IMPERIAL	H339																

1973 CUCURBITA

1973 Descriptions and Evaluations

Seeds treated with Arasan 75. Seeded in greenhouse 5/17/73, 3 seeds/pot, 8 pots/accession. Thinned to 2 plants/pot 6/6/73. Set in field 6/8/73, 16 plants/accession (2 plants/hill). Spacing: 18' x 3' + 9'. Fertilizer 640 lb. 10-20-20/A. Block No. Vegetable Crops Farm. Notes Taken: 8/16/73.

Col.	3	Uniformity:	9=very	5=medium	1=poor
Col.	4	Habit:	1=bush	2=vining	
Col.	5	Vigor:	9=most	5=medium	1=poor
Col.	6	Height in centimeters:			
Col.	7	Vine Length in centimeters:			
Col.	8	No. leaves:	9=many	5=moderate	1=few
Col.	9	Size Leaves:	1=small	2=medium	3=large
Col.	10	Color Leaves:	1=light green	2=medium green	3=dark green
Col.	11	Maturity:	9=very early	5=medium	1=very late
Col.	12	Set:	9=very prolific	5=moderate	1=very poor
Col.	13	Fruit Length in centimeters:			
Col.	14	Fruit Diameter in centimeters:			
Col.	15	Fruit Color:	1=grey 4=tan	2=white 5=green	3=orange
Col.	16	Fruit Ribbing:	9=much	5=moderate	1=little
Col.	17	Fruit Spotting:	9=much	5=moderate	1=little
Col.	18	Flesh Depth in centimeters:			
Col.	19	Flesh Color:	1=yellow 4=medium orange	2=yellow-orange 5=dark orange	3=pale orange 6=light green
Col.	20	Mosaic:	9=severe	5=moderate	1=slight
Col.	21	Powdery Mildew:	9=severe	5=moderate	1=slight

P.I. No.	Orig.	Unif.	Hab.	Vig.	Ht.	Plt.		Vine	No.	Sz.	Col.	Fruit				Flesh					
						Igth.	Lvs.					Lvs.	Lvs.	Lgth.	Diam.	Col.	Rib	Spot	Dpth.	Col.	Mos.
CUCURBITA PEPO																					
093458						8	1	5	55	70	2	2	2	9	4	0	0	1.9	1	0	-
155301						6	2	5	65	80	2	2	2	6	6	2	0	2.2	1	0	-
						10 RIDGES PER FRUIT. VERY SUSCEPTIBLE TO MITES. SOME WH FLESHED FRUIT															
164957						6	2	7	66	75	3	2	2	6	5	2	0	2.2	1	0	-
						VERY SUSCEPTIBLE TO MITES.															
165081						5	2	6	60	180	3	2	3	6	4	24	2	2.4	2	0	-
						A COMPONENT. GLOBE FRUIT WITH WARTY SURFACE. SUSCEPTIBLE TO MITES.															
167053						5	1	9	72	75	6	2	3	8	5	30	1	2.4	1	0	-
						SUSCEPTIBLE TO MITES. VARIABLE FRUIT COLORS.															
169435						5	1	3	60	50	3	1	2	3	3	35	1	1.3	1	2	-
						VERY SUSCEPTIBLE TO MITES.															
169477						3	1	5	63	100	5	1	3	-	3	30	2	2.4	1	0	-
						A FEW PLTS SUSCEPTIBLE TO MITES.															
174188						7	2	9	61	250	9	3	3	3	8	22	0	1.2	1	0	-
						TOLERANT TO MOSAIC. NO MITES.															
174192						4	2	6	56	100	6	2	3	5	5	25	3	2.1	3	0	-
						A COMPONENT. LEAVES SPOTTED GREY. FREE OF MITES.															
175704						3	1	305	504	6	3	2	2	2	6	62	51	0.1	3	1	0
						VERY SUSCEPTIBLE TO MITES.															
175707						4	2	8	70	100	8	2	2	6	6	30	2	1.8	1	0	-
						MANY SQUASH BUGS ON 1 PLANT.															
175710						7	1	8	78	78	8	3	2	6	8	35	11	1.8	1	0	-
						GREY SPOTS ON LEAVES. VARIABLE FRUIT COLOR.															
175714						7	2	9	76	120	9	2	3	4	7	30	10	1.9	1	0	-
						RESISTANT TO MITES. GREY SPOTS ON LEAVES.															
176545						4	2	9	75	159	0	2	3	3	8	25	20	2.0	3	-	-
						SEVERE SQUASH BUG INJURY ON 1 PLT. SUSCEPTIBLE TO MITES.															
176548						8	1	9	75	120	8	2	3	7	5	35	12	1.8	1	0	5
						TWO TYPES OF FRUIT.															
						SUSCEPTIBLE TO POWDERY MILDEW. FRUITS SOLID LT ORANGE.															
176549						8	2	9	75	100	9	2	3	8	9	30	14	1.8	1	0	5
						DOMALIK, SEVERE EATING BY SQUASH BUG ON 2 PLTS. MOSAIC															
176550						6	2	9	85	300	9	3	3	3	8	25	14	2.3	1	0	3
						VARIABLE FRUIT COLOR. SOME FRUIT GLOBULAR AND WARTY.															
176552						4	1	5	65	80	4	2	3	6	6	30	12	1.6	1	-	-
						SEVERE MITES. SQUASH BUGS ON 1 PLANT.															
176553						4	1	6	70	600	4	2	3	6	6	20	11	2.1	1	5	5
						SUSCEPTIBLE TO MITES. RELATIVELY FREE OF SQUASH BUGS.															
176961						6	1	605	807	0	4	2	2	2	7	82	51	0.2	1	1	0
						VERY SUSCEPTIBLE TO MITES.															

P.I. No.	Orig.	Unif. Hab. Vig.	Ht.	Plt.	Vine No.	Sz.	Col.	Fruit				Flesh								
								Lgth.	Lvs.	Lvs.	Mat. Set	Lgth.	Diam.	Col.	Rib	Spot	Dpth.	Col.	Mos.	PM
206426	TUR	5	2	8	60	175	8	3	3	7	8	30	10	4	2	0	2.0	1	0	2
2222247	2 TYPES FRUIT-CYLINDRIC AND GLOBE (23X15)																			
	IRAN	7	2	906	525	0	9	2	3	3	71	01	3	4	0	0	0.1	3	1	0
227237	FRUIT FLAT GLOBE TO PEAR, MOST WARTY. FREE OF MITES, NO MOSAIC.																			
	IRAN	7	2	9	70	150	9	3	3	7	8	25	12	2	2	0	3.0	3	0	2
229531	SUSCEPTIBLE TO MITES. MOST PLANTS HAVE GREY SPOTS ON LEAVES.																			
	FRUITS VARIABLE.																			
229688	IRAN	5	2	7	65	150	6	2	2	5	3	25	14	4	-	0	1.3	1	0	5
	VERY SUSCEPTIBLE TO STRIPED CUCUMBER BEETLE. FRUIT WARTY AND GROOVED.																			
234252	SOME FRUIT ALMOST GLOBULAR. POSSIBLY MOSAIC TOLERANT.																			
	IRAN	3	1	5	60	150	4	2	3	4	4	30	13	3	-	0	2.0	4	3	3
234614	MOST FRUIT STRIPED GREEN. SEVERE MITE INJURY.																			
	ARGN	6	2	4	60	110	4	2	2	5	4	35	12	4	2	0	2.0	1	0	-
234616	SOME MITE INJURY. VARIABLE FRUIT COLOR.																			
	S AF	2	2	804	20	0	7	1	3	3	51	11	2	5	0	0	0.2	8	1	0
234618	GLOBULAR FRUIT. POSSIBLE MOSAIC TOLERANCE. BRITISLY DARK GN VINES.																			
	SAFR	3	2	7	85	130	6	3	3	8	6	35	15	5	-	-	1.8	1	3	5
260653	LONG GREEN BUSH, 10 RIDGES ON DARK GREEN FRUIT. SUSC. TO MITES.																			
	SUSCEPTIBLE TO STRIPED CUCUMBER BEETLE, FR. VAR. OVAL TO OBLONG.																			
261780	SAFR	3	2	8	80	165	8	2	3	5	3	35	12	2	2	0	1.8	1	3	3
	LONG WHITE BUSH, VARIABLE FRUIT COLOR. GREY SPOTS ON LEAVES.																			
282487	SUSCEPTIBLE TO MITES.																			
	USSR	6	2	6	60	150	5	2	2	4	3	50	23	3	-	-	2.5	4	0	5
293433	DNEPROPETROVAK, GLOBE FRUIT. POSSIBLY MOSAIC TOLERANT. SUSC. TO MITES.																			
	FR	7	1	9	75	70	7	2	2	2	3	30	12	0	-	0	2.0	1	0	3
282487	PRECOCE MARAICHERE, FRUIT YELLOW TO GREEN YELLOW. LEAF DEEPLY CLEFT.																			
	DEEP SINUSES, 4 BIG SINUSES PER LEAF. SOME PLANTS SUSC. TO MITES.																			
293433	NH	5	2	6	50	105	5	2	3	8	8	08	12	3	-	-	1.2	3	3	7
	MEADER'S BUSH LITTLE GEM, FRUIT GLOBE AND WARTY. ALL PLANTS MITE																			
293433	SUSCEPTIBLE.																			
	LEB	6	2	5	60	70	5	2	3	6	7	29	14	4	0	0	1.8	1	0	-
	GREY SPOTS ON LEAVES. VERY SUSCEPTIBLE TO MITES. 1 PLT HAS SQUASH BUGS.																			

STANDARD CULTIVARS INCLUDED FOR COMPARISON

G17432	USA	4	2	8	50	600	7	2	2	7	5	16	22	3	-	0	1.6	6	2	5
G19203	NY	3	2	6	55	120	6	2	3	7	9	15	08	4	-	-	1.3	1	0	0

1972 LYCOPERSICON ESCULENTUM

1973 Descriptions and Evaluations

Seeds treated with Arasan 75. Seeded in greenhouse 4/13/73, 36 seeds/accession. Pricked off 4/30/73; set in field 6/5, 12 plants per accession. Spacing: 8' x 2' + 6'. Fertilizer 640 lb. 10-20-20/A. Block No. 3. Notes taken: 8/14/73.

Col.	3	Uniformity:	9=very	5=medium	1=poor
Col.	4	Habit:	3=determinate	4=indeterminate	
Col.	5	Vigor:	9=most	5=medium	1=poor
Col.	6	Plant Height in centimeters:			
Col.	7	Plant Width in centimeters:			
Col.	8	Maturity:	9=very early	5=medium	1=very late
Col.	9	Set:	9=very prolific	5=moderate	1=poor
Col.	10	Fruit Depth in centimeters:			
Col.	11	Fruit Diameter in centimeters:			
Col.	12	Fruit Shape:	1=globular	2=flat	4=cherry
			5=pear	7=plum	
Col.	13	UR or GS:	1=uniform ripening	2=green shoulders	
Col.	14	Exterior Color:(fruit)	1=dark red	2=medium red	3=light red
			4=orange		
Col.	15	Interior Color:(fruit)	1=dark red	2=medium red	3=light red
			4=orange		
Col.	16	No. Locules:			
Col.	17	Radial Cracking:	9=much	5=medium	1=little
Col.	18	Concentric Cracking:	9=much	5=medium	1=little
Col.	19	Amount Fasciated Fruit:	9=many	5=medium	1=few
Col.	20	Days to Harvest: (from days plants set in field to harvest)			

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plant		Mat.	Fruit		UR/GS	Ext. Col.	Int. Col.	No. Loc.	Cracking Rad.	Con. Fr.	Amt. to Harv.	
					Ht.	Wdth.		Dpth.	Diam.								
LYCOPERSICON ESCULENTUM																	
286279	HUNG	5	4	8	98	110	4	5	4.5	4.7	1	2	1	02	2	1	76
	MEATY FRUIT.																
289280	HUNG	4	4	3	49	69	5	4	2.6	2.1	4	1	1	4	02	1	76
	1 PLANT DEAD.																
289281	HUNG	6	4	7	65	90	3	4	3.6	4.7	1	2	1	07	2	1	85
	LEAFY PLANTS.																
289282	HUNG	5	4	6	54	93	7	6	3.8	5.5	1	1	1	05	2	1	76
289283	HUNG	7	3	4	44	37	3	4	3.4	3.9	1	2	2	03	1	1	85
	UPRIGHT PLANTS.																
289284	HUNG	7	3	4	37	44	6	4	4.9	6.6	1	1	3	06	2	1	760
	MEATY.																
289285	HUNG	4	3	3	50	47	6	4	4.0	5.6	1	2	4	06	1	3	76
	MEATY.																
289286	HUNG	6	4	5	50	93	6	6	4.0	3.8	1	2	2	02	1	2	76
	MUCH WHITE INSIDES.																
289287	HUNG	6	4	7	54	77	4	7	3.7	4.0	6	2	3	06	1	1	76
289288	HUNG	7	4	8	55	96	3	8	4.3	5.0	1	1	2	02	2	2	76
	LEAFY PLANTS.																
289289	HUNG	7	4	7	61	140	7	8	3.7	3.1	1	2	1	03	1	1	76
	LEAFY PLANTS.																
289290	HUNG	5	4	4	34	60	6	5	4.0	4.5	1	2	2	02	1	1	73
289291	HUNG	7	4	7	48	105	8	7	2.1	2.1	4	2	1	05	1	1	76
	LEAFY PLANTS, VERY SMALL FRUIT.																
289292	HUNG	7	4	6	41	67	4	6	4.3	5.1	1	2	2	02	1	1	76
289293	HUNG	7	4	8	62	87	5	8	3.0	1.9	6	2	4	02	1	1	85
	EGG-SHAPED FRUIT, LEAFY PLANTS.																
289294	HUNG	7	4	7	58	92	4	8	3.6	4.4	1	2	2	02	1	1	76
289295	HUNG	6	4	5	32	78	6	7	4.5	4.7	1	2	1	03	1	3	76
289296	HUNG	5	4	6	32	73	6	6	1.7	1.5	4	1	1	02	1	1	76
289297	HUNG	7	4	7	52	85	5	7	1.6	3.2	4	2	2	03	1	1	76
	SOME DRIED UP FRUIT.																
289298	HUNG	6	3	4	31	23	4	3	2.3	3.0	1	2	3	04	1	1	76
289299	HUNG	7	4	8	62	101	4	8	3.6	3.8	1	2	2	02	1	1	76
289300	HUNG	5	4	5	63	94	4	6	4.7	5.8	1	2	2	03	2	1	76
289301	HUNG	7	4	7	48	110	4	6	4.0	4.1	1	2	4	02	1	2	76
	WEIRD FRUIT.																
289302	HUNG	7	4	8	48	173	5	7	3.5	6.1	2	1	2	08	1	1	85
289303	HUNG	6	4	8	75	120	5	7	3.8	5.1	2	2	4	04	1	6	85
289304	HUNG	6	4	5	42	82	6	6	4.0	4.7	1	2	1	04	1	2	76

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plant		Mat.	Set	Fruit		UR/GS	Ext. Col.	Int. No. Col.	No. Loc.	Cracking Rad. Con.	Fasc. to Fr.	Amt. Days Harv.
					Ht.	Wdth.			Dpth.	Diam.							
289305	HUNG MEATY.	6	4	7	26	84	5	7	3.5	4.8	1	2	2	08	1	1	76
289306	HUNG	7	1	7	56	162	5	6	5.0	5.0	1	1	2	03	2	1	76
289307	HUNG	7	1	8	49	128	5	6	4.8	7.3	2	2	2	06	2	3	76
289308	HUNG	3	4	4	27	80	6	4	4.2	4.8	1	1	2	02	2	1	76
289309	HUNG	5	4	3	19	100	7	6	4.4	5.2	1	1	2	05	1	5	76
325138	CAN	5	4	5	43	66	6	5	4.4	5.0	1	2	1	03	1	2	76
325139	CAN	4	5	5	32	122	5	6	4.5	5.2	1	2	2	05	1	2	76
325140	USSR	5	4	6	41	117	4	7	4.3	3.1	7	2	2	02	1	1	76
325141	USSR	4	4	3	38	181	4	4	4.1	4.6	1	2	1	06	2	1	76
325142	USSR	4	3	3	24	47	5	4	3.8	4.3	1	2	1	03	1	6	76
325143	USSR	6	4	7	44	118	3	8	4.1	3.1	7	2	2	02	2	4	76
325144	USSR	3	4	3	37	62	5	3	3.6	4.6	1	2	2	03	2	3	76
325145	USSR	4	4	5	32	96	3	5	6.1	9.0	1	2	2	09	2	4	76
326170	TAI	4	4	6	48	111	4	5	4.8	4.3	1	2	2	04	1	1	76
326171	SAFR LATE FIRM FRUIT	7	4	8	62	148	1	8	3.9	4.7	1	1	2	03	1	2	85
326172	SAFR	4	4	5	39	117	6	6	4.2	4.2	1	1	2	02	1	1	76
326193	MEX WEIRD FRUIT-EXTERNAL SURFACE DEEPLY SEGMENTED.	8	4	8	73	178	1	7	5.4	6.0	5	2	1	04	1	1	85
326428	USA	4	4	5	62	95	1	4	6.4	8.3	2	2	3	13	1	1	0
326429	USSR	7	4	8	51	116	7	6	5.0	7.7	1	2	2	06	1	1	85
330627	GHAN	5	4	7	59	96	6	7	4.7	5.2	1	1	2	04	1	1	76
330725	USA	5	4	7	54	112	7	6	4.1	5.8	1	2	1	06	2	1	76
330726	USA	6	4	7	47	155	6	7	3.2	3.7	1	1	1	02	2	1	76
330727	USA	4	4	7	82	147	5	6	3.7	3.6	5	2	2	01	2	6	76
330956	COLM	7	1	7	85	82	1	4	3.7	5.1	2	2	2	04	1	1	85
339326	TURK	4	4	5	22	98	6	8	6.2	7.8	1	1	2	09	1	2	76
339327	TURK	4	4	5	48	92	4	4	4.2	4.6	1	2	1	06	2	1	85
339328	TURK	2	4	4	22	62	5	3	4.2	5.2	1	1	2	06	2	2	85
339329	TURK	3	4	4	12	34	5	3	4.2	4.6	1	2	3	03	2	5	85
339330	TURK	6	4	7	42	76	4	5	5.2	5.6	1	2	2	02	2	5	85

STANDARD CULTIVARS INCLUDED FOR COMPARISON

G19102	USA	7	4	7	41	96	5	8	6.6	4.6	5	1	1	1	02	1	1	81
	SCV ROMA VF				H886													
G22300	USA	3	4	3	27	73	6	5	4.9	4.0	1	1	2	2	05	1	2	70
	SCV NEW YORKER H870																	

1973 PHASEOLUS VULGARIS

1973 Descriptions and Evaluations

Seeds treated with Arasan 75. Seeded in field 6/12/73, 144 seeds/accession. Spacing: 2 - 9' rows, 1' apart, 8' between rows, 9' between trellis. Fertilizer 640 lb. 10-20-20/A. Block No. 3. Notes taken: 8/20/73

Col. 3	Uniformity:	9=very	5=medium	1=pocr
Col. 4	Habit:	1=bush	5=pole	8=half-runner
Col. 5	Vigor:	9=most	5=medium	1=least
Col. 6	Plant Height in centimeters:			
Col. 7	Plant Width in centimeters:			
Col. 8	Leafiness:	9=most	5=medium	1=least
Col. 9	Leaf Size:	1=small	2=medium	3=large
Col. 10	Leaf Color:	1=light	2=medium	3=dark
Col. 11	Flower Color:	1=white	2=lavendar	3=pink
		4=pale purple	5=purple	6=yellow
Col. 12	Days to Bloom:			
Col. 13	Pod Set:	9=very heavy	5=medium	1=poor
Col. 14	Pod Length in centimeters:			
Col. 15	Pod Width in centimeters:			
Col. 16	Pod Color:	1=green	2=tan	3=brown
		4=horticultural (splashed red)		5=yellow
		6=purple		
Col. 17	Pod Shape:	3=round	4=flat	5=intermediate
Col. 18	Pod Curvature:	9=most	5=medium	1=least
Col. 19	Strings or Stringless:	1=strings	2=stringless	3=mixed
Col. 20	Pod Shattering:	9=most	5=medium	1=least
Col. 21	Days to Harvest:			
Col. 22	Seed Size:	1=small	2=medium	3=large
Col. 23	Seed Shape:	1=globe or round	2=oval	3=long oval
		4=plump oval	5=oblong or cylindric	6=truncate
		7=flat	8=kidney	
Col. 24	Seed Color:	1=white	2=tan	3=brown
		4=black	5=red	6=purple
		7=yellow	8=variegated	9=mixture
Col. 25	Virus:	9=severe	5=medium	1=little
Col. 26	Bacteria:	9=severe	5=medium	1=little

[illegible]

P.I. No.	Orig.	Unif.Hab.Vig.	Plant		Leaf	Flw. to	Days	Pod		Pod. to	Days	Seed	
			Ht.	Wdth.Lfn.Sz.Col.				Lgth.	Wdth. Col.Shp.Cv.Str.Sht.				Harv.Sz.Shp.Col.Vi.Bac.
177758	IT	4 8 3	83	39	6 2 3	1	42	5	9.8	1.2	1 5 3 1 8	69	1 4 9 8 0
	SOME DISEASED LEAVES AND PODS.												
177763	IT	2 5 5	108	43	6 3 3	1	41	3	9.4	1.4	1 5 3 2 9	84	2 4 9 8
	4 PLANTS IN ROW.												
179412	TURK	7 5 7	120	24	7 2 3 3	3	44	7	8.6	1.3	4 5 2 2 7	84	2 4 9 5 3
	STAKED FOR FIELD DAY. SOME DISEASED LEAVES.												
207203	COLM	4 1 3	21	33	2 2 3 3	3	52	4	10.2	1.0	1 3 9 2 5	84	1 5 8 8 0
	MUCH DISEASE IN ROW.												
209480	NIC	6 5 5	21	23	7 1 1 0	0	0	1	0.0	0.0	0 1 2 1 8	0	0 0 0 0 0
	NO BLOOM AS OF 8-20.												
236467	WVA	6 5 7	54	40	7 2 2 1	1	53	7	8.2	1.1	1 4 2 1 8	84	1 2 1 1 0
	MOUNTAINEER, STAKED FOR FIELD DAY. SOME DISEASED LEAVES AND PODS.												
247701	CONG	7 5 5	86	30	5 2 2 5	4	45	6	9.1	1.1	4 3 1 1 7	69	1 4 9 8 0
	SOME NON-HORTICULTURAL PODS, DISEASED LEAVES.												
249919	SP	8 8 9	160	50	8 3 2 3	3	54	3	13.5	1.7	1 4 9 2 8	91	2 4 8 2 1
	SOME INSECT DAMAGE.												
250165	WPAC	4 8 8	99	44	8 3 3 1	1	48	7	10.5	1.2	1 3 3 1 8	77	1 4 9 6 2
	SOME PURPLE FLOWERS.												
250289	NETH	9 1 7	39	32	8 2 1 1	1	48	8	9.2	1.1	5 3 8 2 4	91	2 5 8 5 1
	SOME DISEASED LEAVES AND SOME INSECT DAMAGE.												
255959	ENG	7 1 6	38	48	7 2 1 1	1	42	9	9.3	1.0	5 5 2 2 7	84	2 4 8 7 0
	SOME DISEASED LEAVES AND SOME INSECT DAMAGE.												
261135	GER	6 1 3	29	32	4 2 2 1	1	39	4	7.2	0.5	1 4 1 2 4	84	1 6 1 9 3
	MUCH DISEASE IN ROW, POOR POD SET.												
261620	SWIT	9 1 7	37	39	4 2 2 1	1	45	9	13.4	0.7	1 4 2 1 6	66	2 5 8 5 2
	FIRST HAR. 8-17. ALSO YELLOW FWS. STAKED FOR FIELD DAY.												
261621	SP	9 5 9	154	90	7 2 3 1	5	56	5	15.0	1.7	1 5 9 2 8	106	2 4 8 3 1
	ALURIA GARRATAL, VERY TALL PLTS., VERY BIG, CURVED PODS.												
262977	NETH	5 1 6	47	39	7 2 3 3	3	42	6	9.1	0.9	1 3 2 2 4	77	1 4 9 6 2
	STAKED FOR FIELD DAY. SOME POLE TYPES, ALSO WHITE FWS, FEW DISEASED.												
263002	NETH	7 5 6	119	40	4 3 2 1	1	45	5	8.0	1.1	1 4 3 3 7	69	2 3 1 8 3
	YELLOW FLOWERS, SOME INSECT DAMAGED LEAVES.												
264241	FR	4 5 7	93	39	5 3 3 5	5	42	6	15.7	1.4	6 4 3 3 7	84	2 7 9 6 4
	SOME GREEN-PURPLE PODS.												
264784	FR	8 1 8	51	59	8 3 2 3	3	49	5	12.6	1.6	1 5 2 3 7	106	2 8 5 6 2
	CANADIAN WONDER, SOME INSECT DAMAGE. STAKED FOR FIELD DAY.												
264785	FR	9 1 7	39	53	3 3 1 -	4	42	9	17.1	1.0	1 3 1 1 8	66	2 5 3 4 0
	NE PLUS ULTRA, SOME INSECT DAMAGE. STAKED FOR FIELD DAY.												
264786	FR	7 1 7	37	60	5 3 2 1	4	42	6	8.7	1.1	1 5 1 1 7	84	1 4 3 9 2
	NORD HOLLAND, SOME DISEASED LEAVES.												
264788	FR	6 1 5	33	41	6 1 1 1	1	56	6	10.5	1.1	4 4 1 1 8	77	1 4 1 9 3
	PURPLE FWS SOME POLE TYPES AND SOME DISEASED LEAVES.												

P.I. No.	Orig.	Unif.Hab.Vig.	Plant		Ht.	Wdth.	Lfn.	Sz.	Col.	Blm.	Set	Lgth.	Wdth.	Col.	Shp.	Cv.	Str.	Sht.	Harv.	Sz.	Shp.	Col.	Vi.	Bac.
			Leaf	Flw.																				
353534	EAFR	7 1 6	33	40	5	2	3	3	54	5	11.6	1.2	1	4	1	1	6	90	2	3	9	6	2	
	SOME	DISEASE-HALF OF ROW GONE 8-21.																						
353535	EAFR	6 5 5	91	34	4	2	2	5	45	3	11.5	1.0	4	5	4	1	8	84	1	6	9	7	3	
	SOME	PRUPLE PODS AND DISEASE.																						
353538	SAFR	6 1 5	20	28	4	3	3	1	56	2	11.2	1.3	1	5	1	3	6	90	2	8	8	7	2	
	SOME	YELLOW LEAVES. HALF OF ROW GONE AS OF 8-21.																						
353583	NMEX	7 1 7	39	54	7	1	3	1	45	6	10.5	1.1	1	4	3	1	9	84	2	6	9	8	2	
	YELLOW	FLWS. SOME POLE TYPES. SOME DISEASE.																						
353584	NMEX	5 8 6	55	34	6	2	3	1	45	4	11.7	1.1	1	3	5	1	7	84	2	6	9	9	2	
	ALSO	YELLOW FLOWERS AND SOME HORTICULTURAL PODS.																						
353610	ARIZ	6 5 7	100	56	7	3	3	1	48	3	14.2	1.3	1	4	1	3	7	85	2	3	9	8	2	
	SOME	DISEASE.																						
353615	NMEX	8 8 7	92	50	8	1	3	1	53	7	10.0	1.2	1	5	3	1	6	84	1	4	9	7	2	
	SOME	DISEASED LEAVES.																						
G22198	IDAH	6 8 7	88	56	7	2	3	5	48	8	10.7	1.0	6	5	4	1	8	84	1	7	4	3	2	
	IDAH	R275, SOME INSECT DAMAGE.																						
G22660	CALF	8 1 7	31	50	5	2	1	1	42	8	11.6	1.2	4	5	2	2	5	77	2	3	9	6	3	
	SOME	GREEN PODS.																						
G22661	CALF	8 1 7	32	41	5	2	2	1	42	7	12.2	1.4	1	3	3	1	7	77	2	4	8	8	2	
	SOME	DISEASE.																						
G22743	COL	7 1 7	37	48	6	3	3	5	56	5	8.7	0.9	1	3	3	2	5	85	2	3	8	6	4	
	CORBETT	REFUGEE, SOME DISEASED LEAVES.																						
G22852	ME	8 1 6	30	40	4	3	1	1	45	7	9.2	1.3	1	5	4	1	5	84	2	3	8	8	3	
	YELLOW	FLOWERS AND SOME DISEASED LEAVES.																						
G22853	ME	7 1 6	27	27	4	3	1	-	45	5	11.4	1.6	1	5	5	1	4	84	2	3	8	9	2	
	SOME	YELLOW FLOWERS.																						
STANDARD CULTIVARS INCLUDED FOR COMPARISON																								
G22742	USA	9 1 7	35	39	5	3	2	3	42	8	14.0	1.1	1	3	2	2	7	92	2	3	2	9	0	
	SCV	SPARTAN ARROW H76. WHITE FLWS ALSO. SOME INSECT DAMAGE.																						
G22756	USA	8 1 8	30	36	6	3	3	1	42	9	12.1	1.1	1	3	2	2	8	73	2	3	1	2	2	
	SCV	HARVESTER H34 SOME YELLOW LEAVES.																						
G22757	USA	8 1 7	33	38	4	2	2	3	45	8	14.7	1.1	1	3	2	2	8	92	2	3	8	5	1	
	SCV	PROVIDER H60 ALSO WHITE FLWS AND SOME INSECT DAMAGE.																						
G22758	USA	8 1 7	40	45	5	3	2	1	42	8	11.1	1.0	1	3	3	2	8	92	2	3	8	2	1	
	SCV	TENDER CROP H83																						
G22759	USA	7 1 7	36	43	7	3	2	1	42	9	11.1	1.0	5	4	5	2	6	91	2	3	1	4	2	
	SCV	KINGHORN WAX H43 SOME YELLOW LEAVES AND INSECT DAMAGE.																						

1973 PISUM SATIVUM

1973 Descriptions and Evaluations

Seeds scarified and treated with Arasan 75. Seeded in field 4/20&23/73, 128 seeds/accession. Spacing 4'x 1 1/2" + 4'. Fertilizer 640 lb. 10-20-20/A. Block No. 2. Notes taken: 7/11/73.

Col. 3	Uniformity:	9=very	5=medium	1=poor
Col. 4	Habit:	4=intermediate	6=tall	7=dwarf
Col. 5	Vigor:	9=most	5=medium	1=poor
Col. 6	Plant Height in centimeters:			
Col. 7	Nodes to the first flower:			
Col. 8	No. Leaves:	1=few (1-6)	2=moderate (7-12)	3=many (13+)
Col. 9	Color Leaves:	1=light green	2=medium green	3=dark green
Col. 10	Days to Bloom:			
Col. 11	Maturity:	9=very early	5=medium	1=very late
Col. 12	Flower Color:	1=white	2=purple	3=white and purple
Col. 13	Set:	9=very prolific	5=moderate	1=very poor
Col. 14	Doubling:	1=frequent	2=rare	
Col. 15	Pod Length in centimeters:			
Col. 16	Pod Width in centimeters:			
Col. 17	Ovules Per Pod:			
Col. 18	Seed Size:	1=small	2=medium	3=large
Col. 19	Seed Surface:	1=smooth	2=wrinkled	
Col. 20	Seed Color:	1=purple	2=tan	3=brown
		4=green	5=mixture	
Col. 21	Days to Harvest:			
Col. 22	Virus:	9=severe	5=moderate	1=slight

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plt. Ht.	Nodes		Days to Blm.	Flw. Col.	Set	Dbl.	Pod		Ovules		Seed Sz.	Surf.Col.	Days to Harv.
						First Flwr.	Leaves No.					Lgth.	Wdth.	Per Pod	Seed			
PISUM SATIVUM																		
103079	CHIN	6	4	4	82	07	2	76	1	4	2	7.8	1.9	5	2	2	4	96
109865	VENZ	7	6	7	124	12	3	81	1	7	1	7.4	1.3	8	1	1	2	102
117910	BRAZ	4	4	5	68	11	3	81	2	6	1	8.0	1.3	3	2	1	2	109
117998	BRAZ	8	4	7	96	10	3	76	1	7	1	6.4	1.4	5	2	1	5	102
118501	BRAZ	3	4	6	89	09	2	77	1	5	1	6.7	1.5	5	2	1	2	102
120623	TURK	3	4	5	80	08	3	81	2	5	2	8.2	1.9	5	2	1	5	102
120627	TURK	7	4	5	79	08	2	81	2	5	1	9.4	1.7	8	1	1	5	109
120630	TURK	7	4	6	124	11	2	81	2	7	2	7.7	1.7	6	2	2	1	109
121352	INDI	6	4	6	70	07	2	76	1	6	1	5.2	1.3	5	1	1	2	102
124479	INDI	6	4	6	74	11	2	76	1	6	1	6.5	1.6	6	1	1	2	102
124480	INDI	3	7	3	73	03	2	81	1	3	2	6.4	1.5	6	2	1	2	102
125840	AFGH	5	7	2	50	09	2	76	0	2	2	3.2	0.7	5	1	1	5	96
134271	MAROON	5	7	3	26	04	1	83	2	2	2	3.7	0.9	5	1	1	5	109
138945	AFGH	1	7	1	32	10	1	76	2	1	2	3.9	1.0	6	1	1	5	96
142442	PERU	5	7	3	50	12	1	87	1	3	2	4.7	1.3	3	1	1	2	109
142775	MEX	7	4	6	70	13	2	81	1	7	1	6.6	1.2	8	1	1	2	109
142777	MEX	4	4	4	63	11	2	81	3	4	2	6.0	1.2	4	1	1	5	109
143483	IRAN	8	6	8	101	11	2	81	1	7	1	7.3	1.5	5	2	1	2	109
143484	IRAN	6	4	5	68	13	2	88	1	5	1	6.2	1.4	5	2	1	2	112
143486	IRAN	5	4	4	73	11	1	76	1	4	1	6.3	1.4	4	2	1	2	102
162568	ARG	1	7	1	29	03	2	76	1	1	2	5.9	1.8	2	2	1	2	109
162692	ARG	2	7	3	66	11	2	81	1	3	2	5.8	1.2	4	1	1	2	109
162693	ARG	3	4	4	66	09	2	83	1	3	2	7.8	1.5	4	2	1	2	109
162909	ARG	4	4	3	64	13	1	87	1	3	1	8.8	1.5	6	1	1	2	109
162910	ARG	3	4	4	91	13	1	82	1	4	1	8.8	1.4	7	2	1	2	102
163126	INDI	3	7	3	68	09	1	81	1	3	2	4.8	1.0	4	1	1	2	102
163129	INDI	5	4	4	95	05	3	81	1	5	2	5.8	1.8	5	1	1	2	109
163130	INDI	3	4	3	78	09	2	68	1	3	2	6.8	1.4	5	1	1	2	102
163131	INDI	7	7	6	64	09	2	68	1	7	1	4.9	0.9	7	1	1	5	97
163134	INDI	5	4	5	83	07	2	76	1	4	2	6.2	1.9	5	1	1	2	96
164147	INDI	6	4	6	93	12	2	77	1	6	2	5.9	1.2	4	2	1	2	102
164304	INDI	3	7	1	18	10	1	71	2	1	2	3.8	0.9	2	1	1	2	101
164346	INDI	6	4	4	74	12	2	76	1	5	2	6.8	1.3	3	2	1	2	96
164396	INDI	7	4	6	84	11	2	81	1	6	1	5.7	1.3	7	1	1	2	109
164426	INDI	6	4	6	78	14	2	81	1	6	2	6.1	1.3	6	1	1	2	109
164523	INDI	4	7	3	46	12	2	81	1	3	2	7.2	1.4	7	2	2	4	109

P.I. No.	Orig.	Unif.Hab.	Vig.	Pl.t Ht.	Nodes First Flwr.	Days to Blm.	Mat.	Flw. Col.	Set	Dbl.	Pod		Per	Ovules		Days to Harv.		
											Lgth.	Wdth.		Sz.	Seed			
164568	INDI	3	4	3	82	10	2	2	5	3	4	1	8.2	1.5	6	1	5	102
164669	INDI	7	4	7	78	16	3	3	4	1	7	2	6.2	1.2	6	1	2	102
164758	INDI	1	7	1	31	07	1	1	8	2	1	2	3.2	0.5	1	1	5	96
164836	INDI	4	4	4	83	13	2	1	4	1	4	1	6.0	1.0	6	1	2	109
164853	INDI	5	4	4	87	12	2	1	4	1	5	1	6.7	1.5	5	1	2	109
164971	TURK	8	6	8	92	13	3	2	3	2	8	1	7.7	2.0	7	1	5	109
164972	TURK	6	4	6	91	15	2	1	5	1	6	2	7.4	1.6	7	1	2	111
165564	INDI	7	6	7	90	14	3	2	5	1	8	2	5.5	1.8	5	1	2	102
165897	INDI	8	6	8	88	12	3	3	5	3	8	1	6.4	1.3	6	1	2	109
165949	INDI	5	7	4	32	08	2	1	8	2	5	2	4.5	1.2	5	1	5	102
166051	INDI	4	7	4	30	04	2	2	8	2	2	2	3.7	1.1	6	1	5	96
166084	INDI	6	7	2	38	08	1	1	5	1	2	2	4.1	0.9	6	1	5	102
166117	INDI	7	4	6	81	07	2	2	3	1	7	2	4.9	1.3	5	1	2	102
166129	INDI	8	6	8	110	12	3	2	4	1	6	2	5.3	1.1	6	1	2	102
166188	INDI	6	4	4	48	13	2	1	5	1	4	2	3.9	1.0	4	1	5	102
167204	TURK	6	4	6	78	13	3	2	4	2	6	2	7.9	1.7	9	1	5	109
167250	TURK	4	7	3	53	12	1	1	7	2	3	2	3.8	0.8	5	1	5	102
167273	TURK	8	6	8	89	15	3	2	3	2	8	2	7.1	1.6	6	1	5	109
167363	TURK	7	6	8	99	10	3	2	3	1	7	2	7.6	1.8	8	2	5	111
169601	TURK	7	6	7	87	11	3	2	4	1	7	1	8.1	1.8	6	1	5	115
169602	TURK	8	6	8	98	14	3	2	5	2	8	1	7.5	1.5	7	2	5	110
169603	TURK	8	6	8	108	11	3	2	5	1	8	1	8.5	1.5	5	2	2	110
169605	TURK	7	6	7	101	12	2	1	4	2	7	2	6.6	1.9	6	2	2	102
169608	TURK	8	6	8	105	11	3	2	4	2	8	1	6.5	1.8	4	1	5	102
169609	TURK	8	6	7	72	11	2	2	4	2	8	1	8.1	1.9	8	1	5	110
170669	TURK	7	4	7	80	12	2	2	4	2	7	2	8.5	1.6	8	2	5	110
171811	TURK	7	6	6	90	11	2	1	5	3	7	1	7.6	1.4	6	2	5	102
171813	TURK	7	4	6	76	14	3	2	4	1	7	2	8.1	1.6	5	1	2	110
171815	TURK	8	6	7	82	16	3	2	4	1	7	2	5.8	1.3	4	1	2	110
172339	NETH	7	4	6	44	07	2	3	4	1	6	1	6.6	1.4	4	1	4	102
172340	NETH	7	4	7	46	08	3	2	4	1	7	1	5.9	1.3	5	1	4	102
172341	NETH	8	4	7	42	12	3	3	4	1	7	2	7.3	1.5	7	1	4	102
173055	TURK	4	7	3	35	09	2	2	8	2	5	1	4.1	1.1	3	1	5	96
173057	TURK	8	6	7	102	13	3	2	4	1	7	1	8.5	1.8	6	2	2	106
173058	TURK	8	6	7	75	10	3	2	4	1	7	2	8.4	1.5	7	2	2	111
173059	TURK	7	6	7	97	14	3	2	5	1	7	2	6.8	1.3	6	1	5	102
173778	TURK	5	4	4	47	08	1	1	4	1	4	1	7.2	1.5	5	2	2	102
173780	TURK	5	6	5	96	11	3	2	4	1	5	2	6.1	1.3	7	1	2	106
173840	INDI	8	6	7	109	11	2	2	5	1	7	1	7.9	1.4	7	1	2	102
173929	INDI	4	7	5	40	10	2	2	9	2	4	2	2.8	0.6	3	1	5	96

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plt. Ht.	Nodes		Days		Flw. Col.	Set	Dbl.	Pod		Ovules		Seed Sz.	Surf. Col.	Harv. Vir.	
						First Flwr.	Leaves No.	to Blm.	Mat.				Flw. Col.	Lgth.	Wdth.	Per Pod				
173930	INDI	8	6	8	85	08	1	2	81	4	1	7	2	5.6	1.4	6	1	1	2	110
174917	INDI	5	4	6	38	10	2	2	79	9	2	4	2	3.5	1.0	5	1	1	5	96
174919	INDI	7	4	6	58	13	2	2	75	9	2	6	2	3.0	0.9	4	1	1	5	96
174920	INDI	7	6	7	78	10	3	2	81	5	2	7	1	9.3	1.8	6	2	1	5	102
174921	INDI	7	4	6	47	10	2	2	82	9	2	6	2	3.6	0.8	5	1	1	5	96
174922	INDI	4	7	5	38	08	2	2	79	9	2	4	2	3.8	0.9	6	1	1	5	102
174923	INDI	7	6	6	83	08	3	1	76	5	2	6	1	4.6	0.9	5	1	1	5	96
174924	INDI	7	6	8	87	10	3	2	81	4	1	7	2	5.6	1.2	5	1	1	2	110
175226	INDI	5	4	6	30	08	2	2	77	9	2	5	2	4.0	1.4	4	1	1	5	106
175228	INDI	4	5	4	74	09	2	2	71	9	2	2	2	6.6	1.6	6	1	1	5	97
175229	INDI	4	5	4	51	07	2	2	72	9	2	5	2	3.7	0.9	4	1	1	5	97
175230	INDI	4	5	4	46	11	2	2	75	9	2	2	1	4.2	1.3	6	1	1	5	97
175231	INDI	4	4	5	44	10	2	2	71	9	2	1	2	2.6	0.8	3	1	1	5	96
175232	INDI	7	6	6	87	12	2	2	76	4	1	7	1	5.2	1.3	7	1	1	2	102
175878	TURK	8	6	8	115	10	2	3	76	4	1	7	1	6.5	1.4	4	1	1	5	102
176721	TURK	8	6	7	77	12	2	3	81	4	2	7	1	8.4	1.8	7	1	1	5	110
177053	TURK	8	6	7	90	08	2	3	81	4	2	6	1	7.5	1.5	6	1	1	2	110
177521	TURK	7	6	7	74	14	2	2	81	4	2	7	1	5.1	1.2	6	1	1	2	110
179019	TURK	6	6	5	105	12	3	2	81	5	2	6	1	5.7	1.3	6	1	1	5	110
179449	TURK	7	6	7	82	14	2	2	76	5	2	7	1	5.0	1.1	7	1	1	5	102
179454	TURK	8	6	8	74	12	2	2	81	4	1	8	1	7.4	1.3	6	1	1	2	102
179455	TURK	4	4	5	82	12	2	1	82	4	1	4	2	7.1	1.3	4	1	1	3	110
179457	TURK	2	4	3	60	09	2	2	88	4	1	3	2	6.9	1.4	6	1	1	2	110
179458	TURK	5	4	5	88	09	2	2	81	5	1	5	1	6.7	1.1	7	1	1	2	102
179460	TURK	5	4	4	64	08	2	2	87	5	1	4	2	5.8	1.2	6	1	1	2	102
179723	INDI	4	4	4	54	10	2	1	81	5	1	4	2	6.4	1.4	6	1	1	3	102
179969	INDI	5	4	5	62	10	2	2	68	9	2	5	2	3.9	1.0	5	1	1	5	102
180329	INDI	5	4	5	48	08	2	2	68	9	2	5	2	3.4	0.9	4	1	1	5	96
180471	TURK	8	6	8	118	08	3	2	81	4	3	8	1	5.8	1.3	7	1	1	5	110
180692	GER	7	6	7	83	07	2	1	76	4	3	7	1	8.7	1.4	8	2	1	5	102
180693	GER	8	6	7	101	14	2	2	76	4	2	7	1	5.3	1.3	6	1	1	3	102
180695	GER	5	4	5	71	15	2	3	81	4	2	4	1	4.4	0.9	5	1	1	5	110
180696	•LUCLENHAFFER	6	4	5	92	09	1	1	76	6	1	5	1	6.9	1.5	4	2	1	2	102
180697	GER	4	4	4	62	08	1	2	76	5	1	3	1	5.2	1.3	3	1	1	2	102
	•PERAGIO FELDERBSE																			
180698	GER	3	4	3	84	10	1	1	87	4	1	3	1	5.4	1.6	4	1	1	5	110
180700	GER	6	4	6	68	11	2	2	76	4	1	5	1	6.8	1.4	6	1	1	4	110
180703	GER	4	4	3	68	10	2	2	76	5	1	4	1	6.8	1.5	3	2	1	2	110
180867	TURK	5	4	4	47	09	2	2	76	5	1	4	1	4.9	1.3	4	1	1	5	110

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plt. Ht.	Nodes		Days to Blm.	Mat.	Flw. Col.	Set	Dbl.	Pod		Per	Ovules		Seed Sz.	Surf. Col.	Harv. Vir.	Days to
						First Flwr.	Leaves No.						Lgth.	Wdth.							
182984	INDI	7	6	7	101	16	3	2	4	1	7	1	10.0	1.4	8	2	1	5	110	4	
182985	INDI	4	4	3	68	06	2	1	4	2	3	1	4.3	1.1	4	1	1	5	97	2	
183142	INDI	6	6	6	104	11	2	2	4	1	6	1	5.9	1.3	6	1	1	2	106	3	
183334	INDI	5	4	5	67	10	2	2	4	1	5	1	6.4	1.5	5	1	1	2	111	7	
183335	INDI	6	6	6	98	09	2	2	6	1	5	2	6.5	1.9	5	1	1	4	106	8	
183467	INDI	5	4	4	78	08	2	2	6	2	5	2	4.2	0.8	4	1	1	5	97	6	
183714	TURK	7	6	7	90	08	3	2	4	2	8	1	4.6	0.8	7	1	1	5	102	4	
183944	INDI	5	4	6	69	10	2	2	4	1	5	1	5.5	1.2	6	1	1	2	111	3	
184129	YUGO	8	6	7	103	09	3	2	4	2	7	1	5.4	1.0	6	1	1	5	111	3	
184131	YUGO	8	4	7	62	09	3	3	3	1	6	1	9.0	2.0	7	2	1	2	111	2	
189168	NETH	7	4	6	64	08	2	2	5	3	6	1	7.7	1.5	3	3	1	3	111	7	
193578	ETHI	5	4	5	71	07	2	2	4	1	5	2	5.5	1.1	7	1	1	2	111	6	
193591	ETHI	8	6	7	110	12	2	2	5	2	7	2	6.1	1.3	5	1	1	5	102	3	
194007	ETHI	8	6	8	103	08	2	2	5	2	7	2	8.2	1.3	8	1	1	5	102	2	
194339	ETHI	7	6	7	91	08	2	2	4	2	6	1	5.2	1.0	7	1	1	5	102	4	
194340	ETHI	8	6	7	103	13	2	2	6	3	7	2	7.0	1.1	7	1	1	5	102	6	
194342	ETHI	8	6	7	109	09	3	2	5	3	8	1	6.3	1.3	6	1	1	5	111	5	
195018	ETHI	8	6	7	105	11	3	2	4	2	8	1	5.5	1.6	6	1	1	5	111	3	
195022	ETHI	7	6	6	100	15	3	2	4	2	6	2	6.5	1.4	7	1	1	5	111	2	
195027	ETHI	7	6	6	90	11	3	2	5	1	6	1	5.1	1.2	6	1	1	2	111	7	
195628	ETHI	6	6	5	86	15	2	2	4	2	5	1	5.9	1.7	7	1	1	5	111	7	
196016	ETHI	6	6	5	96	14	2	2	5	3	6	2	7.0	1.4	7	1	1	5	102	7	
196017	ETHI	6	6	5	99	07	2	2	4	2	6	2	6.2	1.3	7	1	1	5	106	5	
196018	ETHI	6	4	5	49	09	2	2	9	2	5	2	4.6	1.6	6	1	1	4	97	4	
196021	ETHI	8	6	7	95	08	3	2	4	2	7	1	6.1	1.4	8	1	1	5	102	5	
196022	ETHI	8	6	7	85	09	3	2	4	2	7	1	7.2	1.1	7	1	1	5	117	4	
196023	ETHI	7	6	6	95	14	2	2	4	2	6	1	6.8	1.5	7	1	1	5	102	4	
196025	ETHI	8	6	7	92	16	2	2	5	2	6	2	7.7	1.7	8	1	1	5	111	3	
196033	ETHI	7	6	6	92	10	2	1	6	2	7	1	7.1	1.2	9	1	1	5	102	6	
196877	ETHI	4	4	3	54	10	2	2	4	1	4	1	7.9	1.6	5	2	1	4	102	2	
197449	ETHI	6	6	5	93	09	2	2	5	3	6	2	6.0	1.2	7	1	1	2	102	4	
197451	ETHI	6	6	5	75	12	2	2	5	3	6	1	5.5	1.0	5	1	1	5	102	4	
197453	ETHI	4	4	4	80	09	2	2	8	1	4	2	6.6	1.6	4	2	1	2	103	3	
197987	NETH	5	4	4	38	08	2	2	7	3	6	1	6.8	1.4	2	3	1	5	97	4	
197988	NETH	5	4	4	50	08	2	2	4	1	4	1	6.9	1.6	4	1	1	4	111	2	
197989	NETH	5	7	4	30	07	2	2	4	1	4	1	6.4	1.4	6	1	1	4	111	2	
198073	SWE	5	4	5	70	14	2	2	4	2	6	1	6.5	1.5	6	1	1	5	111	1	
198735	AFGH	4	4	4	60	15	2	2	7	2	4	2	5.0	1.0	7	1	1	5	97	1	
200755	GUAT	6	6	7	90	10	2	2	4	2	6	2	7.3	1.5	4	2	1	2	111	1	

[illegible]

P.I. No.	Orig. Unif. Hab. Vig.	Plt. Ht.	Ncdes First Flwr.	Days to		Mat. Col.	Flw. Col.	Set Dbl.	Pod		Ovules Per	Seed		Days to Harv.				
				Leaves	Blm.				Lgth.	Wdth.		Sz.	Surf.		Col.			
																No. Col.	Pod	
206832	WISC 5 6 5 FORDHAM FAVORITE	92	09	2	2	76	5	1	6	2	7.8	1.3	6	1	1	5	104	2
206833	WISC 6 6 6 BROWN'S POWELL	81	08	3	3	81	4	1	6	1	7.5	1.7	3	2	1	4	111	4
206835	WISC 5 7 4 CARTER'S INTERNATIONAL	30	07	2	2	68	5	2	3	2	6.4	1.3	4	1	2	4	97	3
206844	GER 5 4 5 RUHM VON QUEDLINBERG	60	11	2	2	81	5	1	5	2	7.6	1.3	7	1	1	4	104	2
206847	WISC 3 4 4 RIESEN SCHNABEL	54	07	2	2	87	4	1	3	2	7.7	1.8	6	1	1	2	111	3
206854	WISC 4 7 4 GROOTE KAAPSCHE GROENE	36	08	2	2	81	4	1	3	1	6.9	1.7	2	2	1	2	111	5
206858	WISC 5 6 5 GEM OF THE SEASON	70	05	2	2	68	7	1	4	2	6.4	1.3	6	1	1	2	104	3
206861	WISC 5 4 6 WISC 5 4 5	79	12	2	2	81	4	1	5	1	7.9	1.4	7	1	2	2	112	5
206862	WISC 5 4 5 SUTTON'S EARLY GIANT	50	05	2	1	76	7	1	4	2	7.4	1.7	5	1	2	2	104	5
206864	WISC 5 4 6 CAPUCIJNER	46	07	2	2	78	4	1	5	2	7.0	1.5	4	2	2	2	104	5
206866	WISC 5 4 5 LAXTON'S OMEGA	70	09	1	2	76	4	1	4	2	8.8	1.5	6	1	1	4	104	5
206867	WISC 7 6 6 RENTPAYER	70	10	3	2	76	4	1	7	2	9.5	1.9	7	2	2	2	104	3
206868	WISC 7 6 7 WONDER MARROWFAT	73	07	3	2	76	4	1	7	2	8.7	1.5	5	1	1	5	112	3
206989	TURK 7 6 6 USSR 5 6 5	80	11	3	2	81	4	1	8	2	8.0	1.2	7	1	1	5	112	2
210561	IOWA 5 6 5 IOWA 5 6 4	72	11	2	2	71	5	1	6	1	8.5	1.6	6	1	1	4	112	4
210563	IOWA 5 6 4 ALASKA SELECTION	65	08	2	2	68	9	1	7	2	10.0	2.1	6	1	1	4	112	-
210564	IOWA 8 6 8 LARGE-SEEDED MARCROSS	107	14	3	2	87	4	1	8	1	7.5	1.6	7	2	1	2	112	2
210568	FIN 7 6 7 KELINA	80	10	3	2	81	5	1	7	1	6.1	1.2	7	1	1	4	112	4
210574	WISC 6 4 6 IOWA 5 4 5	50	10	2	2	81	5	1	7	1	8.1	1.6	7	2	2	2	104	3
210579	IOWA 5 4 5 GLACIER	40	07	2	2	68	9	1	5	2	6.3	1.4	4	2	2	2	97	-
210582	WISC 5 4 5 THOMAS LAXTON	42	06	2	2	68	9	1	5	2	5.1	2.0	3	2	2	2	97	2
210583	WISC 5 4 5 ROGERS ACE	70	11	2	2	76	8	1	5	2	7.1	1.4	7	1	2	4	97	-
210586	WISC 7 4 7 WADE	52	07	3	3	87	3	1	7	1	7.1	1.4	7	1	1	4	111	1

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plt. Ht.	Nodes		Days to Blm.	Mat.	Flw. Col.	Set	Dbl.	Pod		Ovules		Seed Sz.	Surf. Col.	Harv. Vir.		
						Plt. First Flwr.	Leaves No.						Col.	Lgth.	Wdth.	Per					
210589	WISC	6	4	6	64	12	3	3	87	3	1	5	2	6.2	1.5	6	1	1	4	112	2
210598	'OLD SCOTCH'																				
210603	WISC	5	4	5	41	12	3	2	76	4	1	6	1	7.0	1.6	4	1	2	4	104	3
	IOWA	5	4	5	55	05	2	2	68	9	1	5	1	7.9	1.6	6	1	1	4	97	-
210604	IOWA	8	6	8	75	09	2	2	76	4	1	7	1	6.2	1.7	7	1	1	2	104	6
	'CANADA FIELD PEA'																				
210607	IOWA	5	4	5	42	06	2	2	68	7	1	6	2	10.3	1.8	6	2	2	2	98	2
210608	IOWA	5	4	5	50	07	2	2	68	9	1	5	2	7.2	1.8	4	2	2	2	98	2
	'CODY'																				
210614	WISC	8	4	8	52	10	3	2	76	4	1	8	1	9.9	2.1	7	2	2	4	104	2
210616	IOWA	5	7	5	30	09	2	2	81	4	1	4	2	8.4	1.8	6	2	1	4	104	6
210617	IOWA	5	7	5	21	07	2	2	68	9	1	5	2	5.9	1.4	4	1	1	4	98	-
	'EARLY DWARF'																				
210630	IOWA	5	4	5	49	10	2	2	81	6	1	4	2	7.9	1.5	4	1	1	2	112	2
210631	'EARLY PROFUSION'																				
	IOWA	5	4	5	65	07	3	2	81	6	1	4	1	6.2	1.5	4	2	2	2	104	6
	'EARLY WALES'																				
210632	IOWA	7	6	7	80	05	2	2	81	4	1	7	1	6.0	1.0	7	1	1	2	112	1
210637	WISC	5	4	5	38	06	3	2	81	4	1	5	2	10.2	2.2	6	2	2	4	112	2
	'GIANT STRIDE'																				
210639	WISC	5	4	5	44	05	2	2	68	9	1	1	2	7.1	2.1	4	2	2	2	98	8
210640	IOWA	5	4	5	65	09	3	2	81	4	1	5	2	6.1	1.0	7	1	2	4	104	2
	'GREEN ADMIRAL'																				
210657	WISC	5	4	5	70	07	2	2	68	4	1	6	1	7.9	1.6	8	2	2	2	101	3
	'LAX PROGRESS #2'																				
210658	IOWA	5	7	5	30	08	2	2	76	4	1	5	2	5.5	1.5	3	2	2	4	103	6
210665	IOWA	5	4	5	40	08	2	2	68	9	1	5	2	5.0	1.6	4	1	2	4	98	-
	'MINNESOTA EARLY SWEET'																				
210668	USSR	6	6	6	90	12	2	2	81	4	1	5	2	6.7	1.5	6	1	1	4	112	4
	'BORODIN A NO926'																				
210671	WISC	5	4	5	67	11	2	2	76	4	1	5	2	7.0	1.4	5	1	1	5	104	2
	'NAVAJO'																				
210684	IOWA	5	4	5	44	07	2	2	81	5	1	4	1	7.1	1.2	6	1	1	5	104	7
	'PRESIDENT WILSON'																				
212029	IRAN	6	7	5	36	12	2	2	81	5	1	5	2	7.8	1.3	7	1	1	2	114	8
212031	IRAN	6	4	6	65	11	2	2	76	5	1	5	1	5.4	1.1	5	1	1	2	104	7
213018	INDI	6	7	5	35	10	2	2	76	9	2	4	2	4.2	0.9	4	1	1	5	98	6
214344	INDI	7	6	7	71	12	2	2	76	5	2	5	1	7.1	1.2	6	1	1	4	104	5
219705	PAK	8	6	8	82	14	3	3	81	4	1	6	1	6.5	1.6	6	1	1	2	104	4
220189	AFGH	5	4	5	48	07	2	2	81	9	2	5	2	4.4	1.2	5	1	1	5	98	-
222071	AFGH	5	4	5	67	10	2	2	81	7	2	6	2	4.6	0.9	6	1	1	5	104	5
222117	AFGH	5	4	5	58	09	2	2	81	5	2	5	1	4.7	1.2	7	1	1	5	104	7

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plt. Ht.	Nodes		Days		Flw. Col.	Mat. Col.	Dbl.	Pod		Ovules		Seed	Days to Harv.	
						First Flwr.	Plt. Ht.	Leaves No.	Blm.				Set	Lgth.	Wdth.	Pod Sz.			Per
223284	AFGH	6	4	6	61	11	2	2	81	9	2	2	4.1	0.8	4	1	1	5	98
223285	AFGH	4	4	4	43	09	2	2	68	9	2	2	4.4	1.0	8	1	1	5	98
223526	AFGH	4	7	5	30	09	2	2	83	9	2	2	3.2	1.1	3	1	1	5	98
226562	ETHI	6	4	6	59	11	2	2	76	6	2	2	4.9	1.1	4	1	1	5	104
226564	ETHI	7	6	7	78	09	2	2	81	4	2	2	6.8	1.2	7	1	1	5	104
229538	IRAN	7	4	6	57	11	2	2	81	4	1	2	5.4	1.1	6	1	1	2	105
234262	5	4	4	6	61	13	3	2	81	4	2	2	6.1	1.3	6	1	1	5	112
234263	CALF	7	6	6	88	11	2	2	76	4	2	2	8.1	1.6	6	2	1	5	105
236490	SWE	6	6	6	75	10	2	1	76	5	2	2	7.6	1.6	5	2	1	5	105
236491	SWE	7	6	7	91	09	2	2	68	4	2	2	6.9	1.7	4	2	1	5	112
236492	'LAMBRECHT #241'	6	6	6	70	11	2	2	76	4	2	2	9.6	1.7	6	2	1	5	112
244054	'LAMBRECHT #368'	6	7	5	30	06	2	1	68	9	2	2	4.9	1.0	5	1	1	3	98
244092	YEM	6	7	7	91	11	2	2	81	4	1	2	7.5	1.6	8	1	1	4	105
244097	'ANTHONIE'	6	7	6	35	07	2	1	68	9	2	2	8.1	1.8	6	2	2	4	98
244102	NETH	5	4	5	65	08	2	1	76	4	1	2	6.4	1.6	6	1	1	4	105
244107	NETH	5	7	5	30	11	2	2	76	6	2	2	8.1	1.8	4	1	2	4	98
244109	'CENSEUR'	4	7	4	38	05	2	2	76	5	1	2	8.5	1.5	7	2	2	2	105
244110	'CERES'	5	7	5	25	08	2	2	68	4	1	2	6.9	1.4	6	1	1	2	98
244121	'CEROSA'	5	4	5	46	07	2	2	76	5	1	2	7.3	1.4	9	1	1	2	105
244122	NETH	5	7	5	19	05	2	2	76	5	1	2	6.9	1.1	5	1	1	2	105
244123	NETH	5	7	5	21	07	2	2	68	9	1	2	7.0	1.4	5	2	2	2	98
244124	'DEBUT'	6	7	6	32	07	2	2	76	9	1	2	6.4	1.1	6	1	1	2	98
244125	'DEGRACE'	6	4	5	47	08	2	2	76	4	1	2	7.1	1.7	4	1	2	4	105
244128	'DELEX'	4	7	4	24	09	2	2	87	4	1	2	7.1	1.6	6	1	2	2	112
244134	'DELIKATESSE'	4	7	4	35	05	2	2	68	9	1	2	6.5	1.4	4	1	1	2	98
244135	NETH	4	7	4	30	05	2	2	68	9	1	2	5.9	1.6	4	1	1	2	98
244144	'EERSTELING'	4	7	4	55	10	2	2	76	6	1	2	7.7	2.0	6	1	1	4	105
	'EERSTE VROEGE MEI'	5	4	4															
	'FORTUNA'	5	4	4															

P.I. No.	Orig. Unif. Hab. Vig.	Plt. Ht.	Nodes		Days		Flw. Col.	Mat. Col.	Set	Dbl.	Pod		Ovules		Seed		Days to
			First Flwr.	Leaves No.	to Blm.						Lgth.	Wdth.	Per Pod		Sz.	Surf.	Col. Harv. Vir.
244149	NETH 4 7 4	26	07	2	1	68	9	1	5	1	6.1	1.6	5	1	1	4	98
244151	'GLOIRE DE QUIMPER' 8 6 8 'GOUDVAANTGE'	102	15	2	2	87	4	1	6	2	9.4	1.9	6	2	1	5	112
244153	NETH 7 6 7	79	10	2	2	81	4	2	6	1	6.6	1.4	5	2	1	5	112
244154	'GRIJZE RUZEN' 4 4 4	65	12	2	2	87	4	1	3	2	7.9	1.5	6	1	1	2	112
244160	NETH 4 4 4	46	08	2	2	81	4	1	4	1	7.5	1.5	5	1	2	4	112
244162	'HELIOS' 6 4 6 'HOGE LATE GROENE'	66	11	3	2	87	4	1	5	2	8.1	1.4	6	1	1	4	112
244163	NETH 4 4 4	59	08	2	2	76	4	1	5	2	7.5	1.6	6	1	1	2	105
244164	NETH 5 4 5	54	11	2	2	76	5	1	5	1	8.0	1.6	4	2	2	2	105
244165	'JUBILEE' 7 6 7	88	12	2	2	77	4	1	5	2	8.2	1.8	3	1	1	2	105
244167	'JUNI SABEL' 5 4 5 'KAAPSE GROENE'	51	12	2	2	76	4	1	5	1	7.6	1.7	5	2	1	4	105
244170	NETH 7 6 7 'ROI DES CAROUBY'	82	08	2	2	76	4	2	5	1	10.4	2.2	7	2	1	5	99
244174	NETH 6 4 6 'KUNGSART'	65	08	3	2	81	4	1	6	2	7.0	1.4	5	1	1	2	112
244183	NETH 5 4 5	51	09	2	2	81	4	1	4	1	8.5	1.5	5	2	1	4	111
244185	'MANDVULLER' 4 4 4 'MEIKONINGIN'	45	10	2	1	76	7	1	4	1	8.1	1.5	7	1	1	2	99
244190	NETH 6 4 6 'MONSTER'	65	14	2	2	87	4	2	5	2	9.4	2.2	6	1	1	5	112
244193	NETH 4 7 4 'NAIN HATIF AMELIORE'	39	05	2	2	68	7	1	3	1	5.7	1.4	5	2	1	2	99
244194	NETH 5 4 5 'NAMUM'	35	09	3	2	81	4	1	5	1	8.5	1.8	5	1	1	2	112
244195	NETH 4 4 4 'NEW ERA'	50	11	3	2	81	4	1	5	1	8.4	1.6	7	1	2	4	105
244206	NETH 6 4 6 'PICCOLO'	45	13	3	3	87	3	1	6	2	7.2	1.6	8	1	2	4	112
244209	NETH 6 6 6	83	11	2	2	76	5	1	5	1	7.5	1.1	6	2	1	2	105
244216	NETH 6 4 6 'REUZEN MEI'	50	15	2	2	68	5	1	4	1	7.0	1.4	2	2	2	2	105
244219	NETH 5 6 5 'REVA'	103	08	2	2	76	5	1	5	1	7.5	1.7	4	2	1	2	112
244222	NETH 5 7 5 'ROI DES CONSERVES'	36	09	1	1	68	9	1	5	1	6.0	1.3	5	1	1	4	99

P.I. No.	Orig. Unif. Hab. Vig.	Plt. Ht.	Nodes First Flwr.	Days to Blm.	Flw. Col.	Mat. Col.	Set	Dbl.	Pod			Seed	Days to Harv.		
									Lgth.	Wdth.	Per				
												Sz.	Surf.	Col.	
244230	NETH 5 4 5	50	06	1	68	9	1	6	1	6.5	1.5	5	1	4	99
244236	NETH 5 4 5	41	09	1	68	9	1	7	2	5.2	1.5	6	1	2	99
244255	NETH 6 4 6	60	07	2	76	7	1	6	1	9.0	1.8	4	2	4	105
G22751	'VERMEER'														
	USA 6 4 6	42	11	2	76	5	1	5	1	6.3	1.2	5	2	4	106
244263	NETH 5 4 5	24	07	2	68	9	1	5	1	6.0	1.3	7	1	2	99
244270	NETH 5 4 4	63	09	2	76	4	1	6	2	8.5	1.3	7	1	4	99
244271	'ZEINERS GRUNE BASTARD'														
	NETH 5 4 5	36	09	3	76	4	1	5	2	6.5	1.5	3	2	4	112
249645	'ZELKA SCHOKKER'														
249645	INDI 6 4 6	62	12	1	68	7	2	6	2	4.5	0.9	4	1	5	99
250443	CZECH 6 6 6	67	14	2	76	4	1	6	1	8.0	1.7	6	2	4	105
	'SENATOR CSR'														
250447	CZECH 5 7 5	41	11	3	81	3	1	6	2	10.0	1.5	1	1	2	105
251051	CZECH 8 6 8	98	21	3	87	3	2	6	2	5.0	0.9	7	1	5	112
254625	AUSL 8 6 8	90	22	3	88	4	1	6	2	6.4	1.1	5	1	2	112
257244	THAI 7 6 7	96	17	2	81	4	1	5	2	5.5	1.1	5	1	2	105
257592	ETHI 5 6 5	84	21	2	81	4	2	4	2	6.3	1.2	6	1	5	105
257594	ETHI 5 4 4	80	17	2	81	4	1	4	2	4.0	1.0	5	1	2	99
261624	SP 5 4 5	43	12	1	68	9	1	5	3	5.0	1.2	4	1	4	99
261630	SP 4 7 3	20	12	2	87	4	1	1	2	5.7	1.3	7	2	2	112
261631	'GUISANTE LINCOLN'														
	SP 4 7 3	20	07	1	68	9	1	3	1	3.8	1.2	3	1	4	99
261633	SP 4 4 5	40	07	2	81	4	1	3	2	7.4	1.5	5	1	4	112
	'TELEPHONE'														
261657	NETH 4 5 4	70	09	2	81	6	1	6	2	1.4	3.0	8	2	2	105
261662	'ZWAONI ORIEN'														
	NETH 5 7 5	21	14	2	81	4	1	5	2	7.5	1.1	5	1	2	105
261663	NETH 5 4 5	44	13	2	76	6	1	5	2	8.0	1.0	7	1	2	105
261664	NETH 5 6 5	80	16	2	76	6	1	6	2	8.0	1.0	6	1	2	105
261665	'GOUDVAANTJE'														
	NETH 5 5 5	65	16	2	81	7	1	2	2	6.5	1.5	4	1	5	100
261673	NETH 5 5 5	50	13	3	81	4	2	5	2	1.1	2.5	9	1	5	112
261675	'CAROUBY'														
	NETH 5 5 5	40	11	3	82	4	1	5	2	9.0	2.0	6	1	4	112
261676	'LAV SABEL'														
	NETH 6 6 6	66	16	2	88	4	2	6	2	7.0	1.5	6	1	5	112
263009	NETH 4 7 3	17	08	2	81	7	1	4	2	5.3	1.3	4	1	2	105
263011	'DE GRACE'														
	NETH 6 5 6	55	04	2	81	5	2	5	2	6.0	1.4	5	1	5	105
263012	NETH 7 6 7	90	17	2	83	8	2	6	2	8.0	2.0	5	1	5	103
	'SWISS GIANT'														

P.I. No.	Orig. Unif. Hab. Vig.	Plt. Ht.	Nodes Plt. First Flwr.	Leaves No. Col.	Days to Blm.	Mat. Col.	Flw. Col.	Dbl.	Ovules			Days to Harv.					
									Pod	Per	Seed						
													Lgth.	Wdth.	Sz.		
263013	NETH 6 5 6 'STAM OF KRUIP'	35	11	2 2	81	4	1	4	2	6.5	1.0	4	1	1	5	105	3
263026	FR 4 7 4	15	06	2 1	68	8	1	4	2	5.5	1.1	4	1	1	4	104	-
263144	FR 4 5 4	55	15	2 2	84	5	1	4	2	6.0	1.0	6	1	1	2	105	7
267860	NETH 5 5 5	28	13	3 2	81	4	1	5	2	6.0	1.5	6	1	1	4	105	2
269766	ENG 6 5 5	40	14	2 1	76	5	1	5	2	8.0	1.3	6	1	1	2	105	7
269767	'DE HAAN 204.1' ENG 6 5 6	33	11	2 1	76	7	2	6	2	4.0	1.5	4	1	1	5	99	2
269768	'THIBET' ENG 4 4 4	24	08	2 1	68	8	1	4	1	3.0	1.0	2	1	1	4	99	-
269769	'NILSSON EXTRA RAPIDE' ENG 6 6 6	70	16	2 1	76	6	1	6	2	6.0	1.6	5	1	1	5	99	4
269770	'DE WINTON' ENG 7 6 7	52	13	2 2	81	7	2	6	1	7.0	1.5	5	2	1	5	112	3
269784	ENG 7 6 7	84	19	3 2	81	4	1	6	2	5.0	1.0	4	1	1	5	112	4
269793	ENG 7 6 7	80	18	2 2	76	6	1	6	1	8.5	1.7	8	2	1	5	105	4
269795	'TELEPHONE GOLDEN STRAWED' ENG 5 5 5	50	15	2 2	83	4	1	5	2	6.0	1.4	6	2	1	5	112	3
269796	'TALL EARLY CAPUCIN' ENG 5 6 5	90	15	2 2	81	4	2	6	1	7.0	2.0	4	2	1	5	112	3
269804	'TALL EARLY CAPUCIN' ENG 5 5 5	56	16	3 2	76	4	1	5	2	7.0	1.2	6	1	1	2	112	5
378157	MALY 7 6 7	100	17	2 2	76	4	2	6	2	8.0	1.8	6	2	1	5	105	2
378158	'RED FLOWER NOL' MAY 6 6 6	73	15	2 1	76	5	1	5	2	6.0	1.1	4	1	1	2	105	2
378159	'WHITE FLOWER NO2' MAY 7 6 7	100	16	2 2	81	5	1	6	1	7.8	1.5	7	1	1	2	105	4
378160	'WHITE FLOWER NO9' CHIN 7 6 7	80	14	2 2	81	4	1	6	2	7.8	1.1	7	1	1	2	112	3
G22822	CAN 6 5 6 'TRAPPER'	60	17	3 2	76	4	1	6	2	16.0	1.0	7	1	1	2	105	4

STANDARD CULTIVARS INCLUDED FOR COMPARISON

	USA	7	4	20	04	2	2	68	8	1	5	2	8.8	1.7	5	2	2	4	98
G22740	SCV GREATER PROGRESS H160	6	4	70	09	2	2	80	7	1	6	1	8.3	1.4	8	2	2	4	106
G22749	SCV FROSTY H158	4	4	41	10	3	2	76	3	1	5	1	12.5	1.6	2	2	2	4	106
G22750	SCV GREEN ARROW H162	6	4	45	11	2	1	78	5	1	5	2	9.5	1.4	9	2	2	4	106
G22751	SCV LINCOLN H168	6	4	45	11	2	1	78	5	1	5	2	9.5	1.4	9	2	2	4	106

P.I. No.	Orig. Unif. Hab. Vig.	Plt. First Ht. Flwr.	Nodes		Days To Blm.	Mat. Col.	Flw. Col. Set	Dbl.	Pod		Ovules		Days to Harv. Vir.					
			No. Col.	Leaves					Lgth.	Wdth.	Per Pod	Sz. Surf. Col.						
G22752	USA SCV LITTLE MARVEL	35 H170	07	2	2	81	8	1	5	1	6.4	1.7	6	2	2	4	96	-
G22753	USA SCV PERFECTED FREEZER	58 60 H184	12	2	2	76	4	1	7	1	7.0	1.4	6	2	2	4	104	1
G22754	USA SCV SPARKLE	32 H188	07	2	2	68	9	1	6	1	6.4	1.9	6	2	2	4	96	-
G22755	USA SCV WANDO	40 H194	10	2	2	76	5	1	6	1	7.2	1.5	7	2	2	4	98	2
PISUM SATIVUM SSP ARVENSE																		
377693	ARK 'AUSTRIAN WINTER'	60	14	3	2	87	3	2	6	1	5.0	0.9	6	1	1	5	112	3
377694	CALF 'CANADIAN'	88	13	2	2	76	4	1	6	1	5.0	1.0	6	1	1	2	105	2
377695	IDAH 'FENN'	60	11	3	3	88	4	2	6	1	4.5	1.0	6	1	1	5	112	3

